

SCIENCE AND TECHNOLOGY ADVISOR (NQS)

RESOURCE CATEGORY	Emergency Management
RESOURCE KIND	Personnel
OVERALL FUNCTION	The Science and Technology Advisor provides advice and informs decision-making for all science and technology-related incident activities.
COMPOSITION AND ORDERING SPECIFICATIONS	<ol style="list-style-type: none"> 1. This position can be ordered as a single resource. 2. Requestor specifies any additional qualifications necessary based on incident complexity and needs 3. Discuss logistics for deploying this position, such as working conditions, length of deployment, security, lodging, transportation, and meals, prior to deployment

Each type of resource builds on the qualifications of the type below it. For example, Type 1 qualifications include the qualifications in Type 2, plus an increase in capability. Type 1 is the highest qualification level.

COMPONENT	SINGLE TYPE	NOTES
DESCRIPTION	<p>The Science and Technology Advisor:</p> <ol style="list-style-type: none"> 1. Monitors incident operations and provides scientific and technical advice on matters relating to the integration of science and technology into incident response efforts 2. Enhances safety, assists in incident action planning, and informs decision-making for all science and technology-related incident activities 3. Consults with subject matter experts in the scientific and technological communities to gather information, serve as a liaison, and make recommendations to the incident command, Unified Command, or center director 4. Maintains an extensive network throughout the scientific community and draws from this resource as necessary to help inform incident operations 5. Ensures proper information management of scientific data acquired during incident operations and field testing 6. Disseminates technical information and training to all response personnel who may need special knowledge relating to incident planning and response activities 	Not Specified
EDUCATION	Bachelor of science degree, with knowledge across one or more fields of study, including chemistry, biology, physics, health and safety, engineering, and natural or environmental science	Not Specified
TRAINING	<p>Completion of the following:</p> <ol style="list-style-type: none"> 1. IS-100: Introduction to the Incident Command System, ICS-100 2. IS-200: Basic Incident Command System for Initial Response, ICS-200 3. IS-700: National Incident Management System, An Introduction 4. E/G/L 0191: Emergency Operations Center/Incident Command System Interface 	Not Specified
EXPERIENCE	<ol style="list-style-type: none"> 1. Successful completion of the National Qualification System (NQS) Position Task Book (PTB) for the National Incident Management System (NIMS) Science and Technology Advisor, or equivalent Authority Having Jurisdiction (AHJ) documentation 2. Experience in a science advisory role 	Not Specified

Position Qualification for Operational Coordination
Emergency Management

COMPONENT	SINGLE TYPE	NOTES
PHYSICAL/MEDICAL FITNESS	Light	The NIMS Guideline for the NQS defines Physical/Medical Fitness levels for NQS positions.
CURRENCY	Functions in this position during an operational incident, planned event, exercise, drill, or simulation at least once every five years	Not Specified
PROFESSIONAL AND TECHNICAL LICENSES AND CERTIFICATIONS	Not Specified	Not Specified



Position Qualification for Operational Coordination Emergency Management

NOTES

Nationally typed resources represent the minimum criteria for the associated category.

REFERENCES

1. FEMA, National Qualification System (NQS) Position Task Book for Science and Technology Advisor, latest edition adopted
2. FEMA, National Incident Management System (NIMS), October 2017
3. FEMA, NIMS Guideline for the NQS, November 2017
4. FEMA, National Response Framework, June 2016
5. National Oceanic and Atmospheric Administration (NOAA), Scientific Support Coordinator Training Guidebook, September 2013